

FIGURE 1

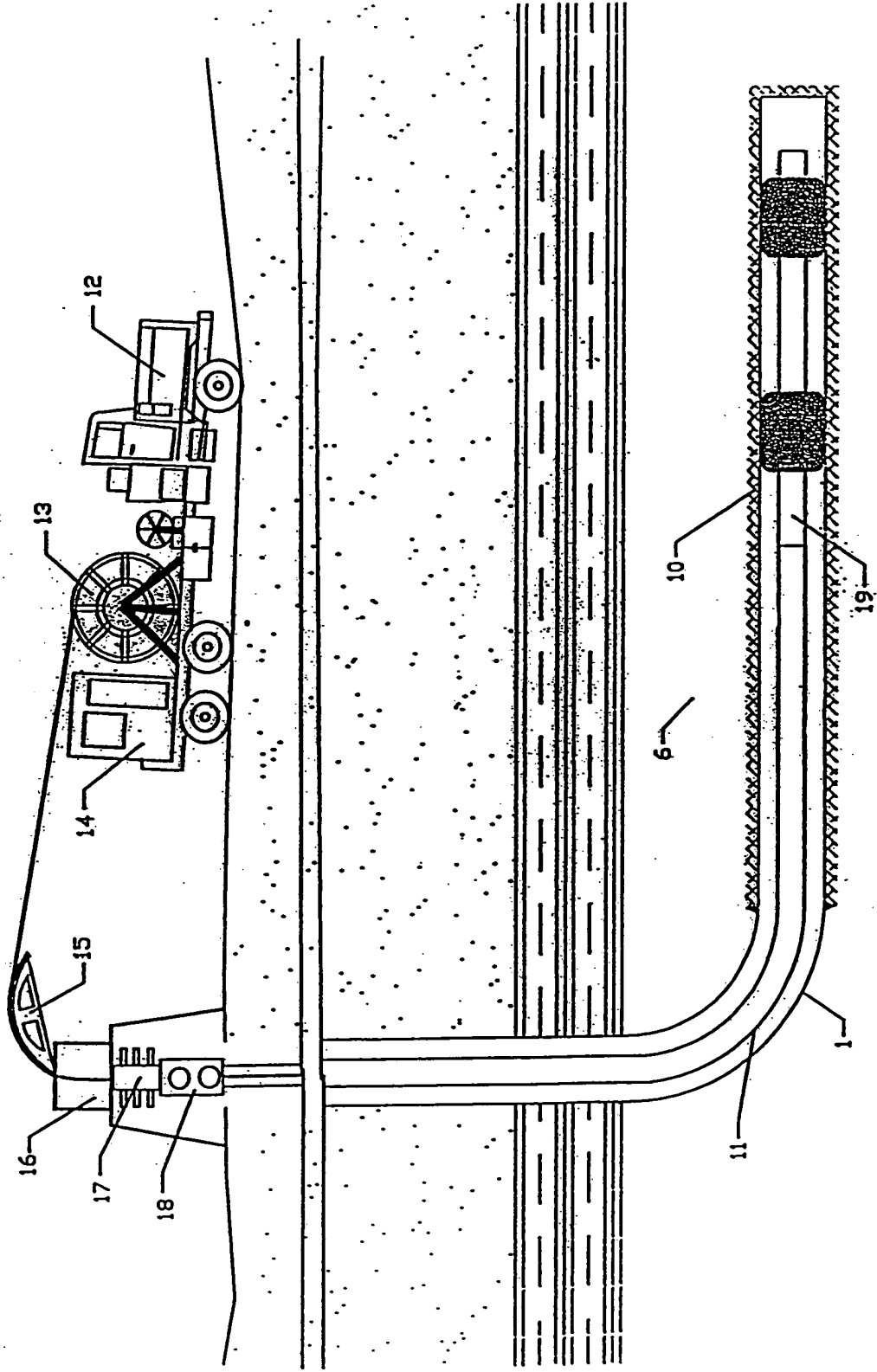
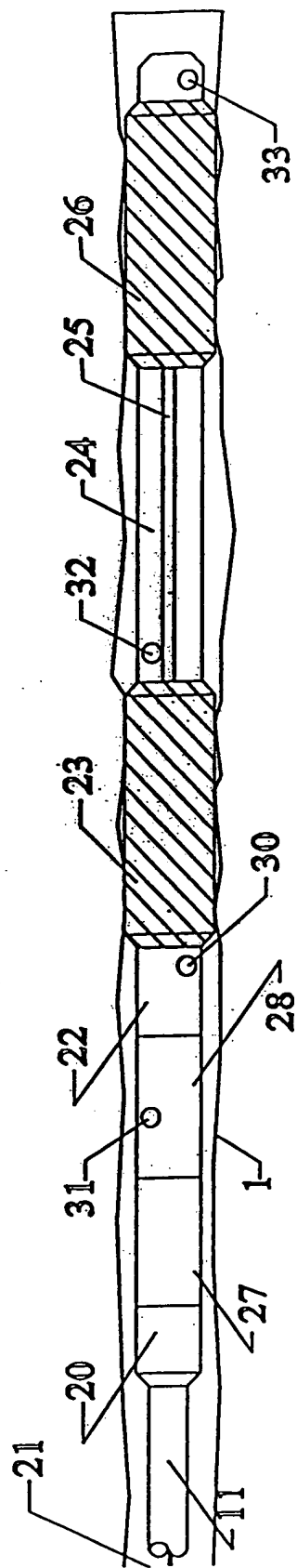


Figure 2



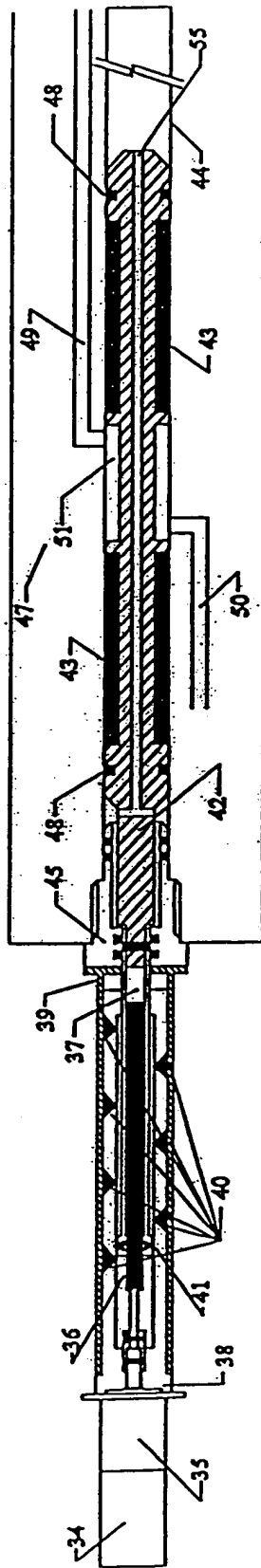


Figure 4c

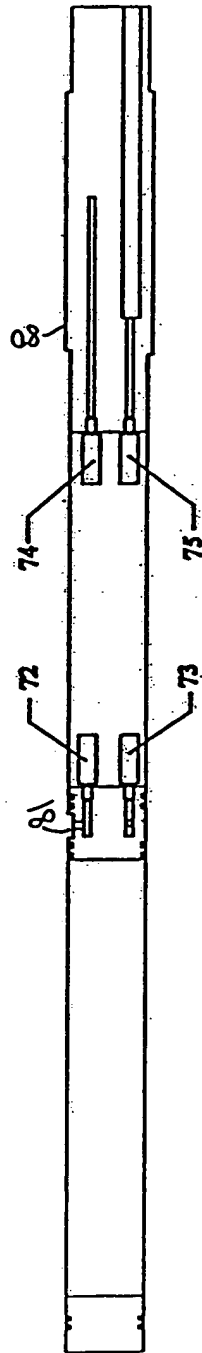


Figure 4b

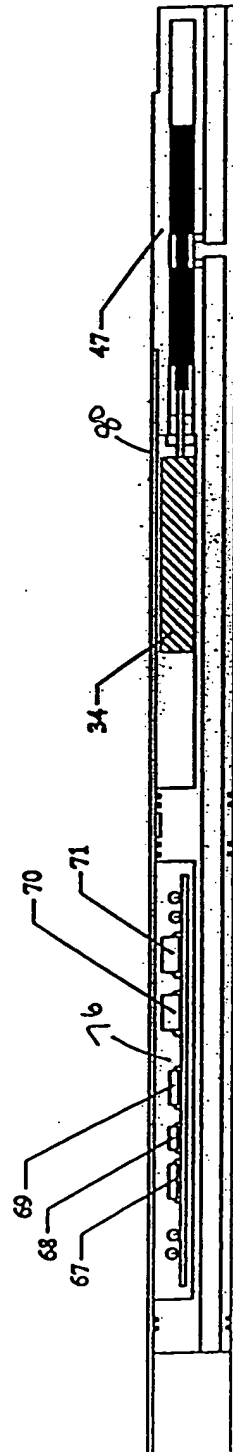
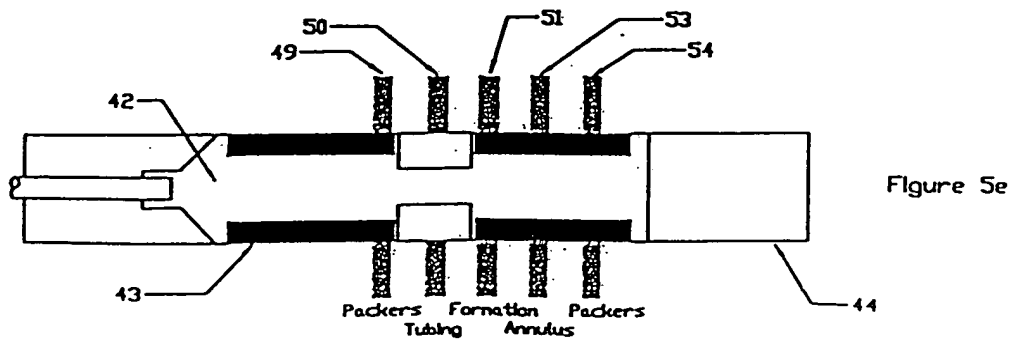
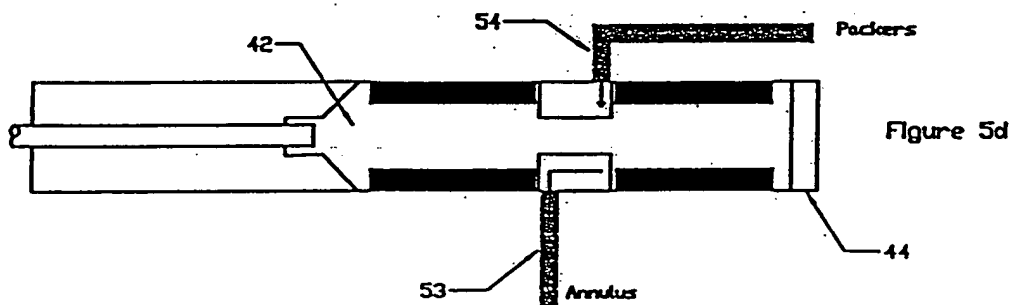
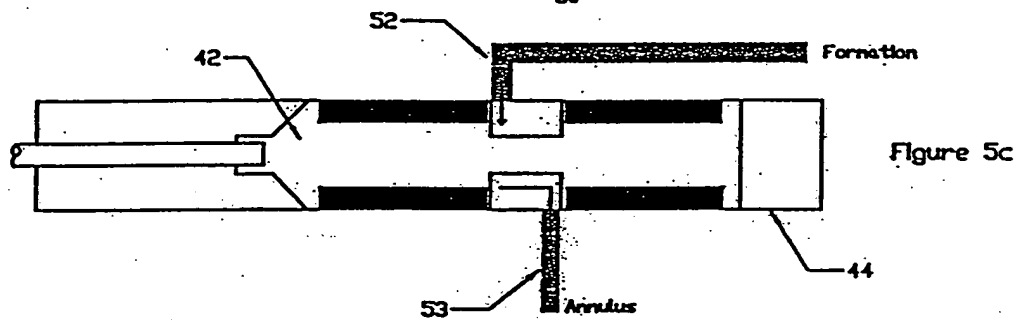
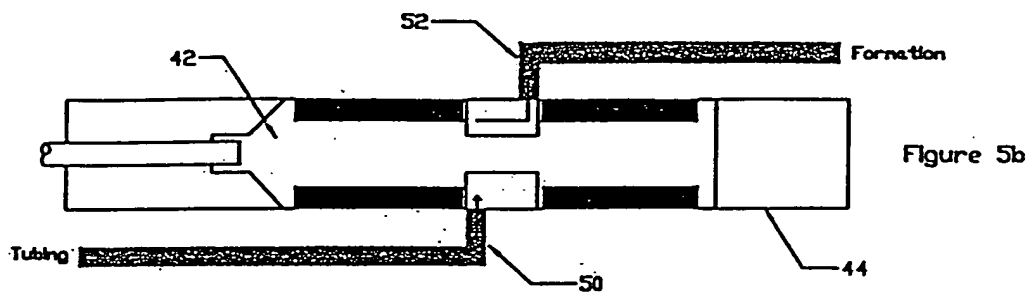
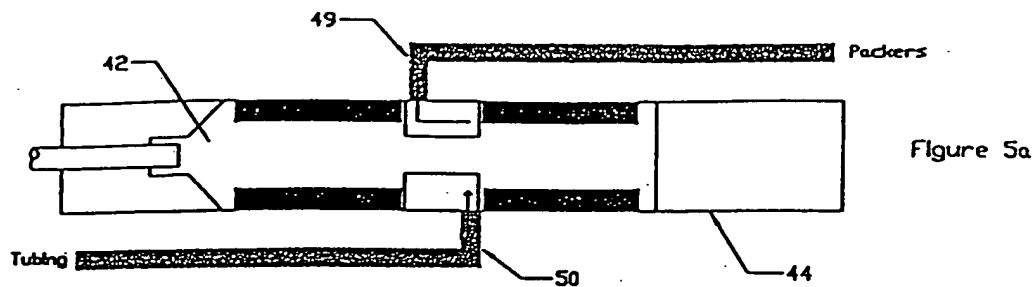


Figure 4a



VALVE OPERATIONAL MODE

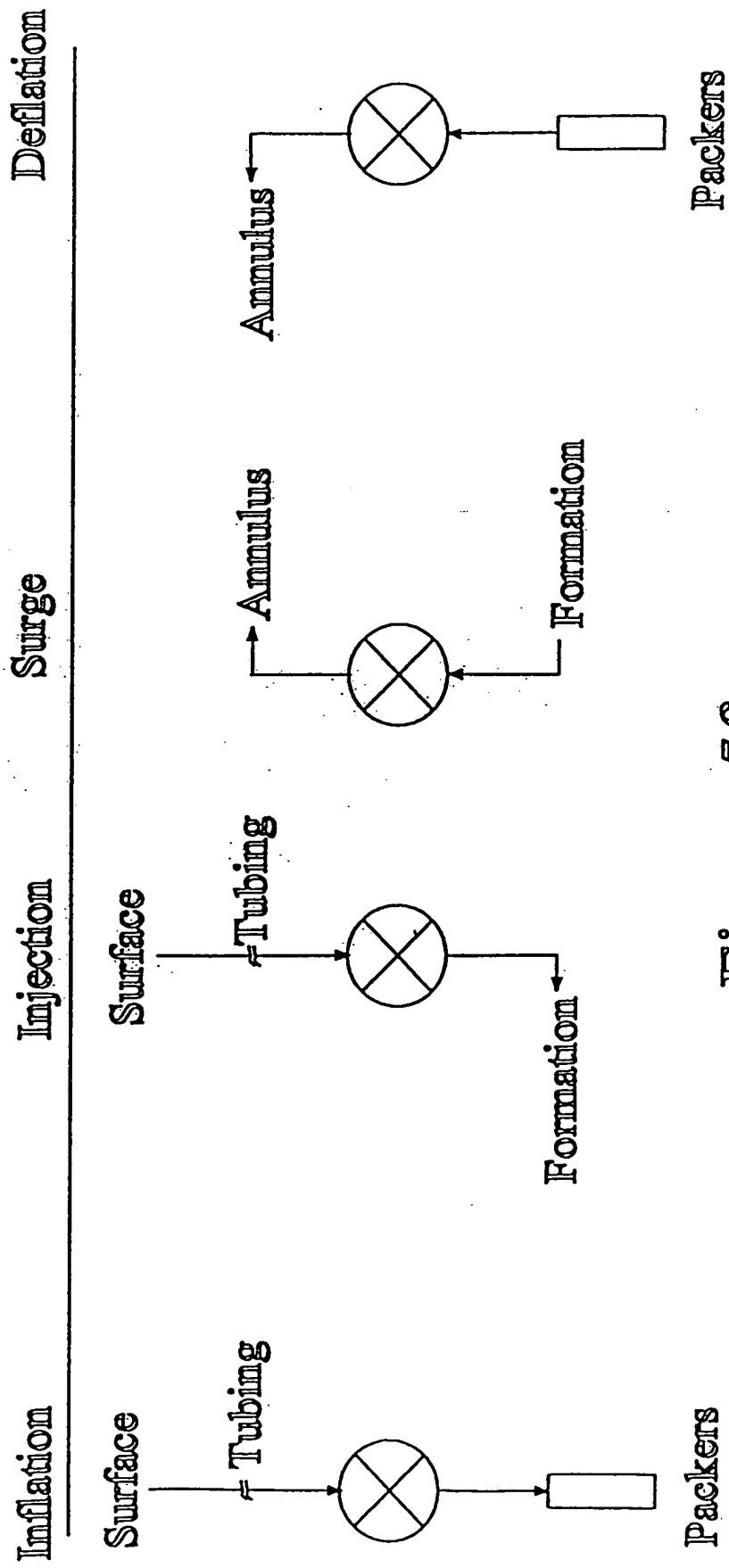


Figure 5f

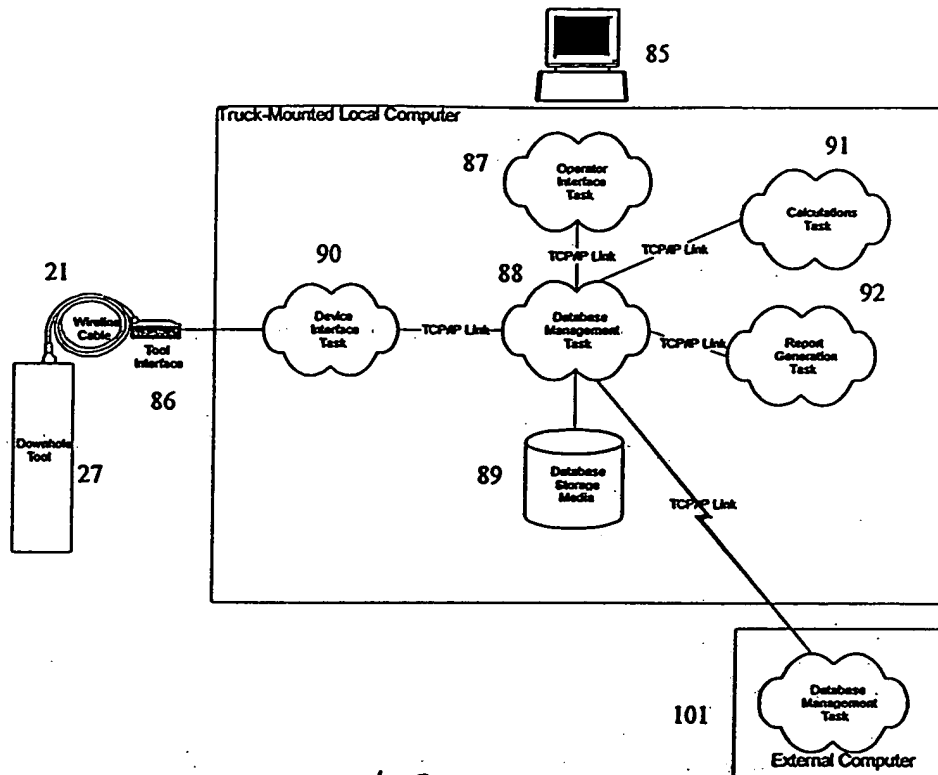


Figure 6 Software Architecture Overview

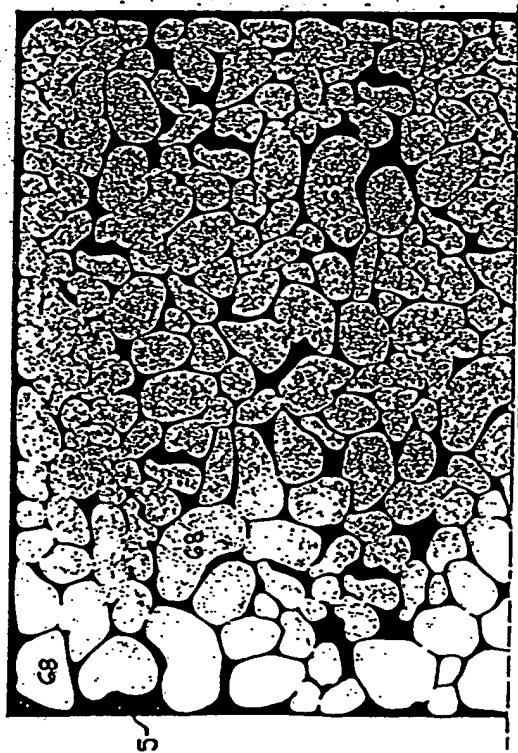


Fig. 6a

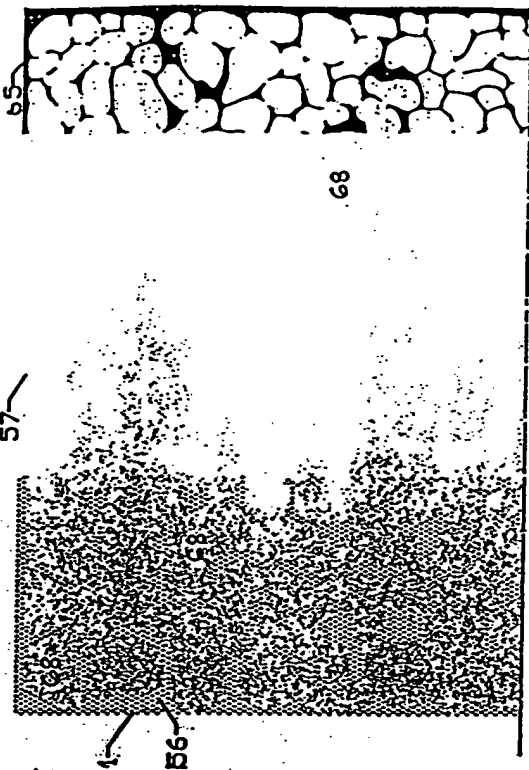


Fig. 6b



Fig. 6c



Fig. 6d

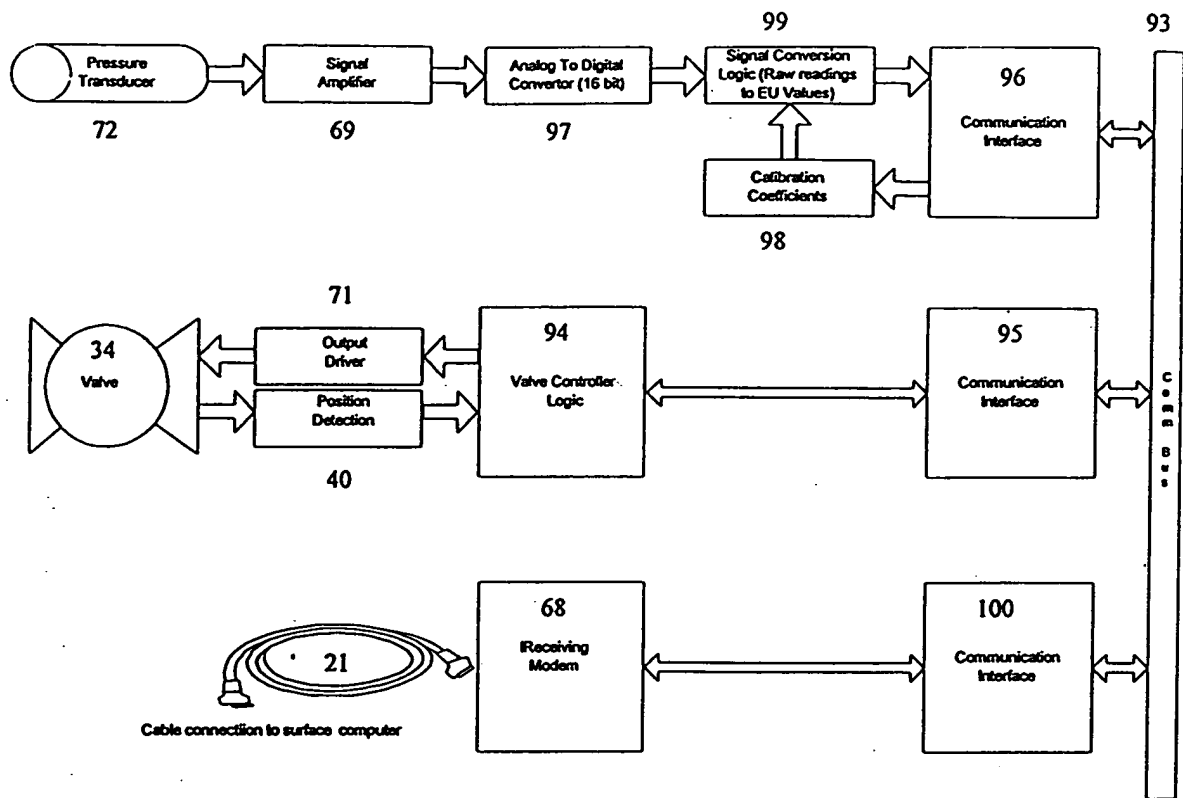


Figure 7 - Downhole Tool Software & Electronics

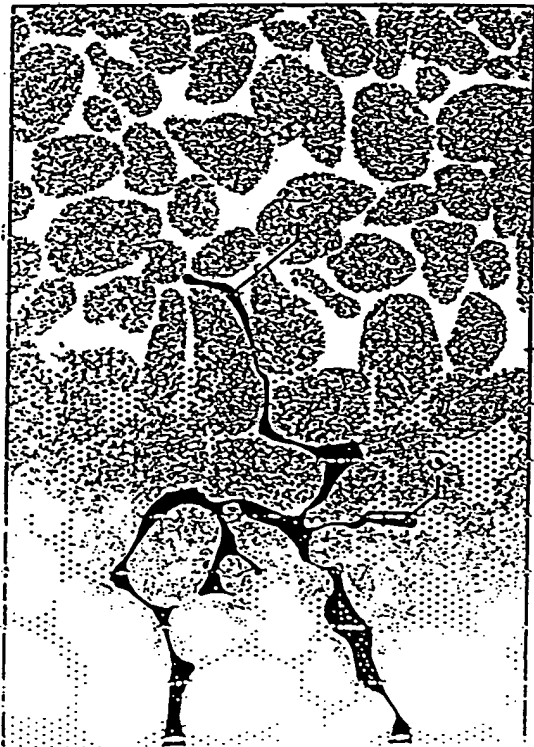


Fig. 7a

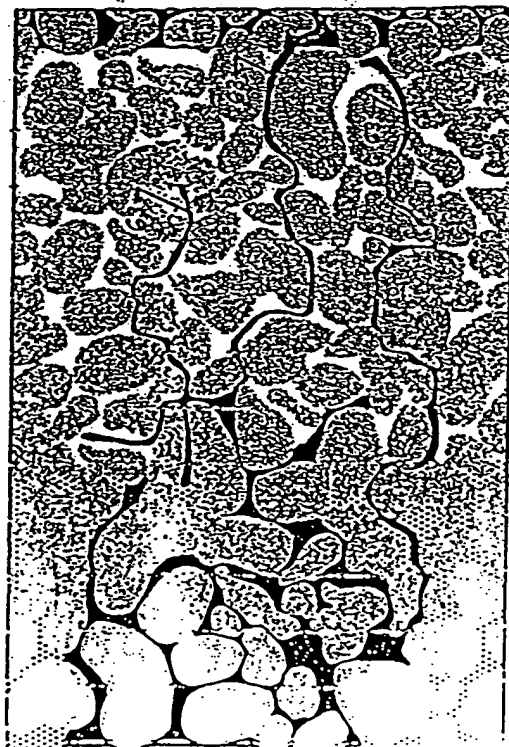


Fig. 7c

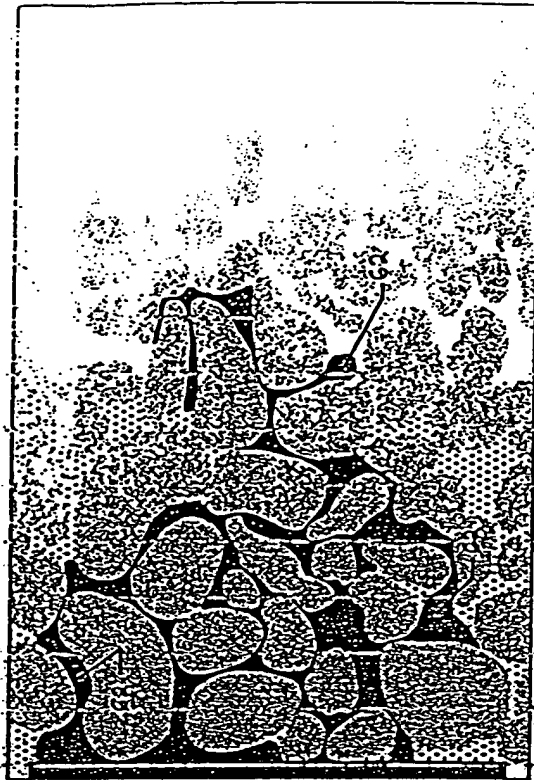


Fig. 7b

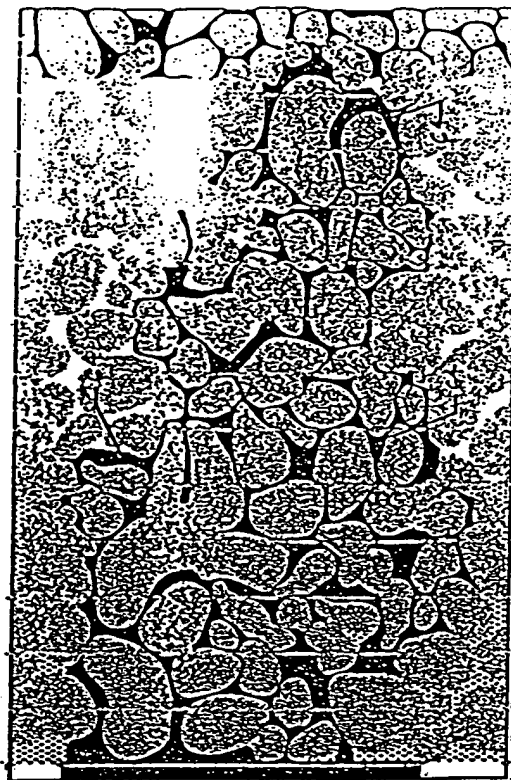


Fig. 7d